

JPW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/748,886 Confirmation No. 1408
Applicant : N. KASAKO et al
Filed : December 30, 2003
Title : REMOTE STORAGE DISK CONTROL DEVICE AND METHOD
FOR CONTROLLING THE SAME
TC/AU : TBD
Examiner : TBD
Docket No. : H-1215
Customer No.: 24956

Commissioner for Patents
Mail Stop DD
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT (IDS)
UNDER § 1.97 AND § 1.98

Sir:

1. This IDS should be considered:

(a) when filed within three months of the filing date of the present application, or within three months of the filing date of the National Stage as set forth in § 1.491 in an international application, or before the mailing date of a first Office Action on the merits, whichever occurs last;

(b) when filed before the mailing date of either a Final Rejection under § 1.113 or a Notice of Allowance under § 1.311, whichever occurs first and when 1(a) does not apply. For this purpose, there is included herein either a certification in section 4 below (included when indicated by a marked box), or a fee of \$180.00 (a Credit Card Payment Form in the amount of \$180.00 is enclosed, or if not see section 5 below);

(c) when filed prior to the payment of the Issue Fee, when 1(a)-(b) do not apply, and when a certification is included in section 4 below (included when indicated by a marked box); then the Applicant(s) hereby petition(s) and request(s) consideration of this IDS, and provided herewith is a fee of \$180.00 (a Credit Card

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dated December 30, 2005

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Payment Form in the amount of \$180.00 to cover the petition fee, or if not see section 5 below).

2. When 1(a)-(c) do not apply, then it is requested that this IDS be placed in the file.

3. Listing of the information submitted is on the attached Form PTO-1449, which forms a part of this IDS. A copy of each listed document is enclosed when needed.

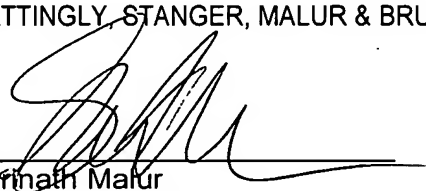
4. If a fee or additional fee is required, the Commissioner is hereby authorized to charge any fee or additional fee that may be required and credit any excess to Deposit Account No. 50-1417.

5. No explanation of relevancy is being provided for the following document(s) because each is either in the English language, discussed in the present Specification, or its relevance is as stated in a communication from a foreign patent office in a counterpart foreign application.

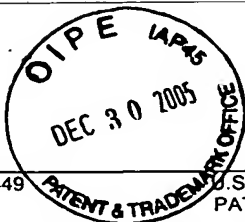
6. If the PTO determines that part(s) of the required content is inadvertently omitted, then it is requested that the Applicant(s) be given additional time and specific identification of such omission(s) to enable full compliance.

Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

By 
Shrinath Malur
Reg. No. 34,663
(703) 684-1120

EXAMINER	DATE CONSIDERED
<p>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	



FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. H-1215	SERIAL NO. 10/748,886
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LIST OF DOCUMENTS CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT N. KASAKO et al
FILING DATE December 30, 2003
GROUP

U.S. PATENT DOCUMENTS

* EXAMINER INITIAL		DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
	AA	2003/ 093597	05/15/03	Marik et al			
	AB	6,529,976	03/04/03	Fukuzawa et al			
	AC	6,529,944	03/04/03	Lecrone, Douglas			
	AD	6,247,103	06/12/01	Kern et al			
	AE	6,173,374	01/09/01	Heil et al			
	AF	6,654,830	11/25/03	Taylor et al			
	AG	2003/ 0212854	11/13/03	Kitamura et al			
	AH	6,640,278	10/28/03	Nolan et al			
	AI	6,553,408	04/22/03	Merrel et al			
	AJ	6,446,141	09/03/02	Nolan et al			
	AK	2002/ 0029326	03/07/02	Reuter et al			

FOREIGN PATENT DOCUMENTS

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	AL	0869438	10/07/98	EP			<input type="checkbox"/>	<input type="checkbox"/>
	AM	09-288547	04/11/97	JP (Abstract only)			<input type="checkbox"/>	<input type="checkbox"/>
	AN	11-184641	07/09/99	JP (Abstract only)			<input type="checkbox"/>	<input type="checkbox"/>
	AO	97-09676	03/13/97	WO			<input type="checkbox"/>	<input type="checkbox"/>
	AP	1130514	09/05/01	EP			<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	"Introduction to Storage Pooling, Consolidation Storage Resources with DataCore SANsymphony Software", White Paper, DataCore Software, updated July 2003, pp. 1-8.
	AS	"SAN Virtualization Guidelines", DataCore Software Corporation, 2000, pp. 1-9.
	AT	Sarkar et al, "Internet Protocol storage area networks" IBM Systems Journal, 2003, Vol. 42, No. 2, pp. 218-231.

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* EXAMINER INITIAL		DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
	AA	6,883,064	04/19/05	Yoshida et al			
	AB	2005/ 0081009	04/14/05	Williams et al			
	AC	6,851,020	02/01/05	Matsumoto et al			
	AD	2005/ 0010743	01/13/05	Tremblay et al			
	AE	2004/ 0260875	12/23/04	Murotani et al			
	AF	2004/ 0260966	12/23/04	Kaiya et al			
	AG	6,826,778	11/30/04	Bopardikar et al			
	AH	2004/ 0230980	11/18/04	Koyama et al			
	AI	6,816,948	11/09/04	Kitamura et al			
	AJ	6,779,255	09/28/04	Blumenau			
	AK	2004/ 0172510	09/02/04	Nagashima et al			
FOREIGN PATENT DOCUMENTS							
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	AL	2002/ 230246	08/16/02	JP (with English Abstract)			<input checked="" type="checkbox"/> <input type="checkbox"/>
	AM	2002/ 157091	05/31/02	JP (with English Abstract)			<input checked="" type="checkbox"/> <input type="checkbox"/>
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	AO	2000/ 293317	10/20/00	JP (with English Abstract)			<input checked="" type="checkbox"/> <input type="checkbox"/>
	AP	10-283272	10/23/98	JP (with English Abstract)			<input checked="" type="checkbox"/> <input type="checkbox"/>
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	SICOLA "SCSI-3 Fault Tolerant Controller Configurations", T10 Technical Committee of the International Committee on Information Technology Standards, Feb. 28, 1996, available at http://ww.t10.org(1996) .					
	AS	"Network Attached Storage", Product White Paper, Feb. 2002, Sony Electronics Inc., (2002).					
	AT						

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* EXAMINER INITIAL		DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE <i>(If Appropriate)</i>
	AA	2004/ 0148443	07-29-04	Achiwa			
	AB	2004/ 0143832	07/22/04	Yamamoto et al			
	AC	2004/ 0123180	06/24/04	Soejima et al			
	AD	6,745,281	06/01/04	Saegusa			
	AE	2004/ 0054850	03/18/04	Fisk et al			
	AF	6,708,232	03/16/04	Obara			
	AG	2004/ 0049553	03/11/04	Iwamura et al			
	AH	6,684,310	01/27/04	Anzai et al			
	AI	6,681,303	01/20/04	Watabe et al			
	AJ	2004/ 0003022	01/01/04	Garrison et al			
	AK	6,647,476	11/11/03	Nagasawa et al			
FOREIGN PATENT DOCUMENTS							
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OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, etc.)</i>							
	AR	Anderson et al, "Hippodrome: Running Circles Around Storage Administration",					
		Proceedings of Conference on File and Storage Technologies (FAST '02), January , 2002, pp. 175-188.					
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* EXAMINER INITIAL		DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE <i>(If Appropriate)</i>
	AA	2003/ 0204597	10/30/03	Arakawa et al			
	AB	6,640,291	10/28/03	Fujibayashi			
	AC	2003/ 0182525	09/25/03	O'Connell			
	AD	2003/ 0145169	07/31/03	Nagasawa			
	AE	6,598,134	07/22/03	Ofek et al			
	AF	2003/ 0126327	07/03/03	Pesola et al			
	AG	6,523,096	02/18/03	Sanada et al			
	AH	2002/ 1094523	12/19/02	Ulrich et al			
	AI	6,484,173	11/19/02	O'Hare et al			
	AJ	2002/ 0156887	10/24/02	Hashimoto			
	AK	6,457,139	09/24/02	D'Errico et al			
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FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. H-1215	SERIAL NO. 11/087,983		
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U.S. PATENT DOCUMENTS							
* EXAMINER INITIAL		DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE <i>(If Appropriate)</i>
	AA	6,356,977	03/12/02	Ofek et al			
	AB	2002/ 0004857	01/10/02	Arakawa et al			
	AC	2001/ 0052018	12/13/01	Yokokura			
	AD	6,240,486	05/29/01	Ofek et al			
	AE	6,240,494	05/29/01	Nagasawa et al			
	AF	6,230,239	05/08/01	Sakaki et al			
	AG	6,219,753	04/17/01	Richardson			
	AH	2002/ 0026558	02/28/02	Reuter et al			
	AI	2002/ 0019920	02/14/02	Reuter et al			
	AJ	2002/ 0019922	02/14/02	Reuter et al			
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U.S. PATENT DOCUMENTS

* EXAMINER INITIAL		DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
	AA	5,978,890	11/02/99	Ozawa et al			
	AB	5,956,750	09/21/99	Yamamoto et al			
	AC	5,835,954	11/10/98	Duyanovich et al			
	AD	5,758,118	05/26/98	Choy et al			
	AE	5,680,640	10/21/97	Ofek et al			
	AF	5,548,712	08/20/96	Larson et al			
	AG	5,480,465	01/18/95	Gusella et al			
	AH	4,025,904	05/24/77	Adney et al			
	AI	3,771,137	11/06/73	Barner et al			
	AJ	2004/ 0064610	04/01/04	Fukuzawa et al			
	AK	2004/ 0064641	04/01/04	Kodama			

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	AA	6,681,339	01/20/04	McKean et al				
	AB	6,675,258	01/06/04	Bramhall et al				
	AC	6,654,831	11/25/03	Otterness et al				
	AD	2003/ 0212860	11/13/03	Jiang et al				
	AE	6,647,474	11/11/03	Yanai et al				
	AF	2003/ 0200387	10/23/03	Urabe et al				
	AG	2003/ 0167419	09/04/03	Yanai et al				
	AH	2003/ 0158999	08/21/03	Hauck et al				
	AI	2003/ 0145168	07/31/03	LeCrone et al				
	AJ	2002/ 0115432	06/19/03	Biessener et al				
	AK	2003/ 0101228	05/29/03	Busser et al				
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	AA	2003/ 0097607	05/22/03	Bessire			
	AB	2003/ 0056038	03/20/03	Cochran			
	AC	2003/ 0051109	03/13/03	Cochran			
	AD	2003/ 0037071	02/20/03	Harris et al			
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	AF	2002/ 0133735	09/19/02	McKean et al			
	AG	6,446,175	09/03/02	West et al			
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	AC	5,680,580	10/21/97	Beardsley et al			
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	AE	5,459,857	10/17/95	Ludlam et al			
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